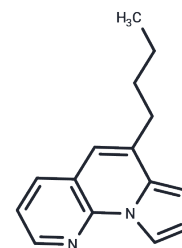


ALP/Carbonic anhydrase-IN-1

Chemical Properties

CAS No. :	2091887-74-8
Formula:	C ₁₅ H ₁₆ N ₂
Molecular Weight:	224.3
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Compound 1e, also known as ALP/Carbonic anhydrase-IN-1, is a dual inhibitor targeting both carbonic anhydrase (CA) isozymes II, IX, and XII, as well as alkaline phosphatase (ALP). It exhibits inhibitory IC ₅₀ values of 0.44 μM for CA-II, 1.61 μM for CA-IX, 0.51 μM for CA-XII, and 0.107 μM for ALP [1].
Targets(IC ₅₀)	Carbonic Anhydrase, Phosphatase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4583 mL	22.2916 mL	44.5831 mL
5 mM	0.8917 mL	4.4583 mL	8.9166 mL
10 mM	0.4458 mL	2.2292 mL	4.4583 mL
50 mM	0.0892 mL	0.4458 mL	0.8917 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481